

Presentation to the Blue Ribbon Commission on America's Nuclear Future

Transportation and Storage Subcommittee
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Introduction

- Former DOE manager for Transportation Institutional Programs (OCWM & EM)
- Managed Institutional arrangements with Tribal, State and Local officials for 23 years
- Responsible for transportation program planning and policy development

Topics of Discussion

- Risk perception and program management
- Survey Research from 1994-1997
- Experience with controversial shipping campaigns
- Recommendations

Understanding Public Concern

- Peter Sandman's Guide for Public Participation for the Environmental Protection Agency
- Informed consent
- If acceptance or consent is not achieved, is "tolerance" good enough?

Foundation for Shipment Planning

- OCRWM engagement with States and Tribes, 1985-1989
- WIPP transportation planning and protocols
- National Transportation Institutional programs, 1987-1997
- Naval Reactors and commercial shipments of radioactive materials

Research Approach

- Survey research conducted by Hank Jenkins-Smith(1994-1997) to understand:
 - ◆ Knowledge
 - ◆ Trust
 - ◆ Credibility
 - ◆ Information sources
- Shipments studied:
 - ◆ Cesium - Colorado to Hanford
 - ◆ Foreign Research Reactor (FRR) Urgent Relief Shipment -Wilmington, NC to Savannah River, SC
 - ◆ FRR shipment -Concord, CA to INEEL, ID

Survey Results

- Knowledge = confidence
- State and local officials most trusted
- Federal Departments of Transportation and Energy were viewed as competent
- Media most frequent source of information
- Keeping commitments very important (FRR)

How Shipment Plans Changed

- Cesium:
 - ◆ States delivered training
 - ◆ Local media involvement
 - ◆ Safety stressed rather than risk
- Urgent Relief Shipments:
 - ◆ State radiological inspections
 - ◆ Linked to treaty commitments
- Concord, CA FRR:
 - ◆ Route selection a joint effort
 - ◆ Local officials managed public meetings
 - ◆ Survey directed by local officials

Manage Risk by Performing Well

- Update social science research
- Establish Institutional relationships early
- Provide funding for emergency training (Section 180(c))
- Third-party regulation of transportation for program credibility and consistency with the commercial world
- Demonstrate shipment safety
- Keep commitments and agreements